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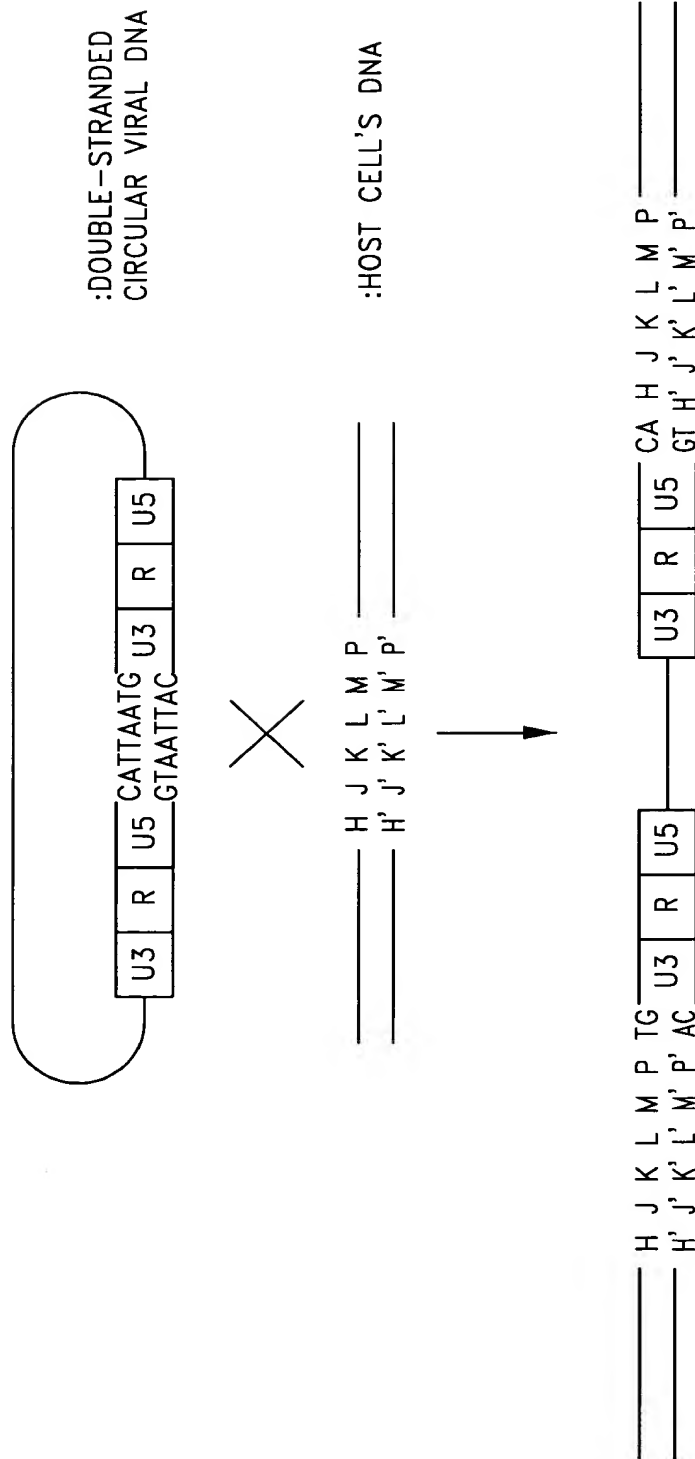
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2/25

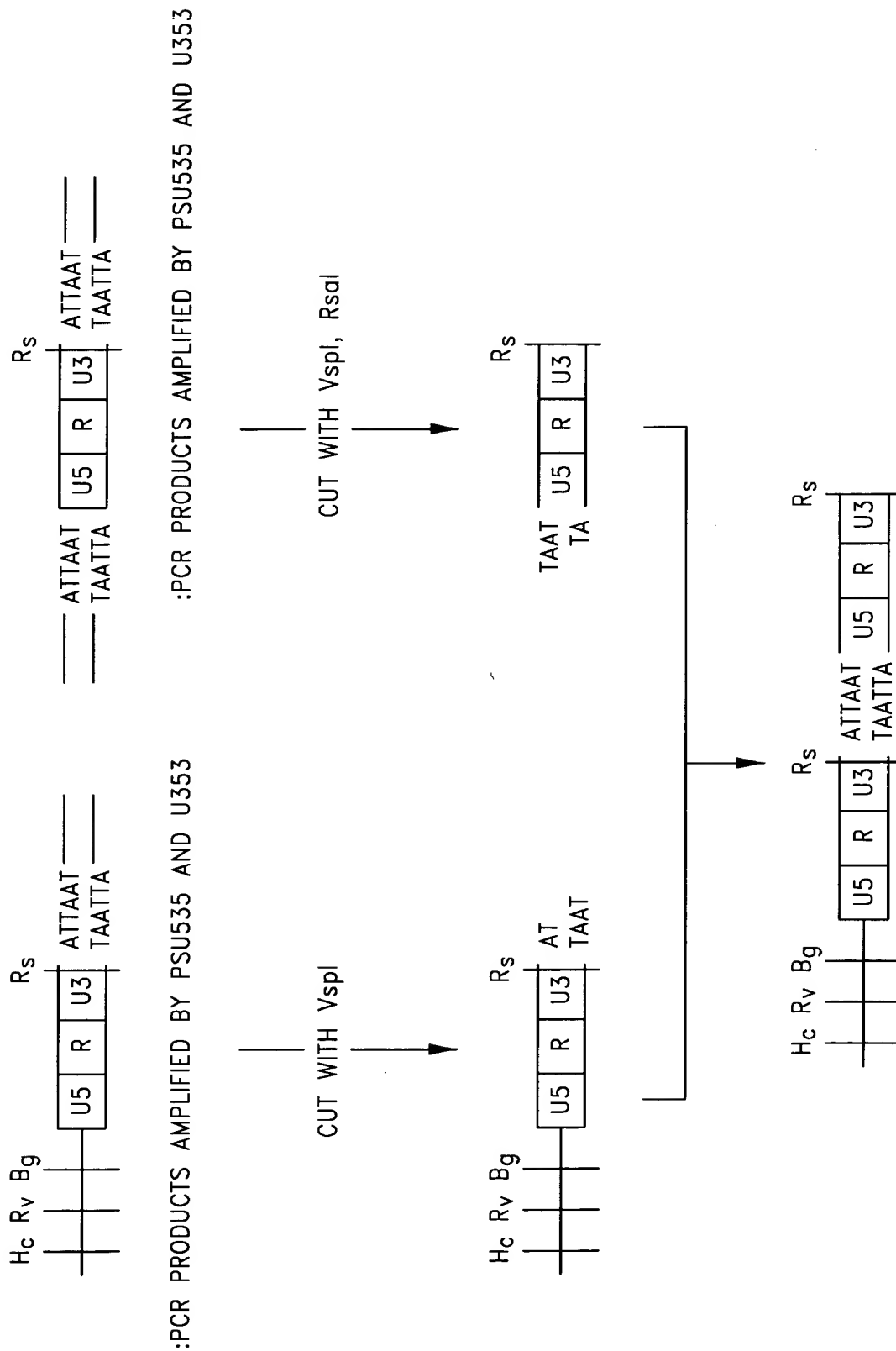
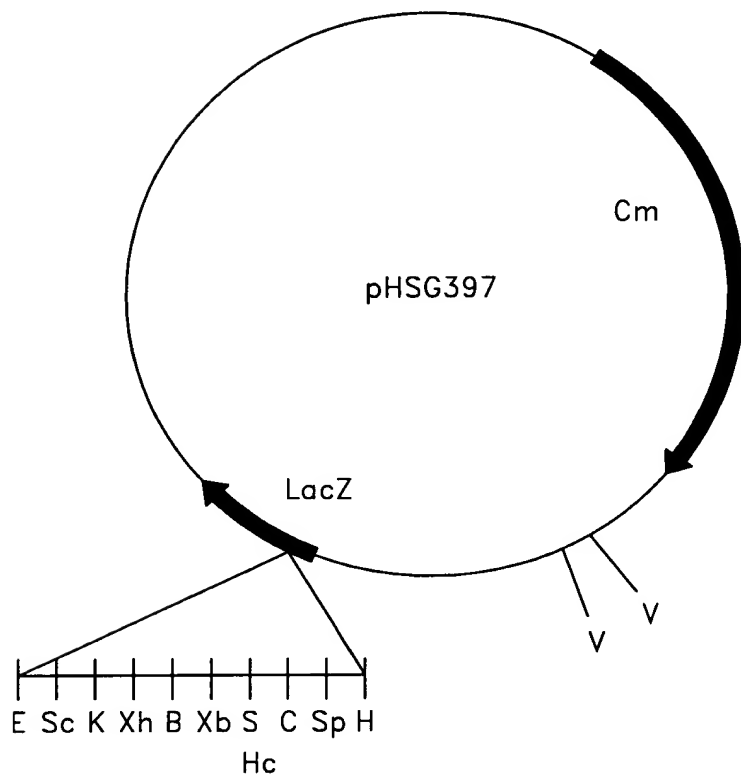


FIG.2



RESTRICTION ENZYME

B :Bam HI
C :Cla I
E :Eco RI
H :Hind III
Hc :Hinc II
K :Kpn I
M :Mlu I
N :Nhe I
Rs :Rsa I
RV :Eco RV
S :Sal I
Sc :Sac I
Sp :Sph I
V :Vsp I
Xb :Xba I
X :Xho I

FIG.3

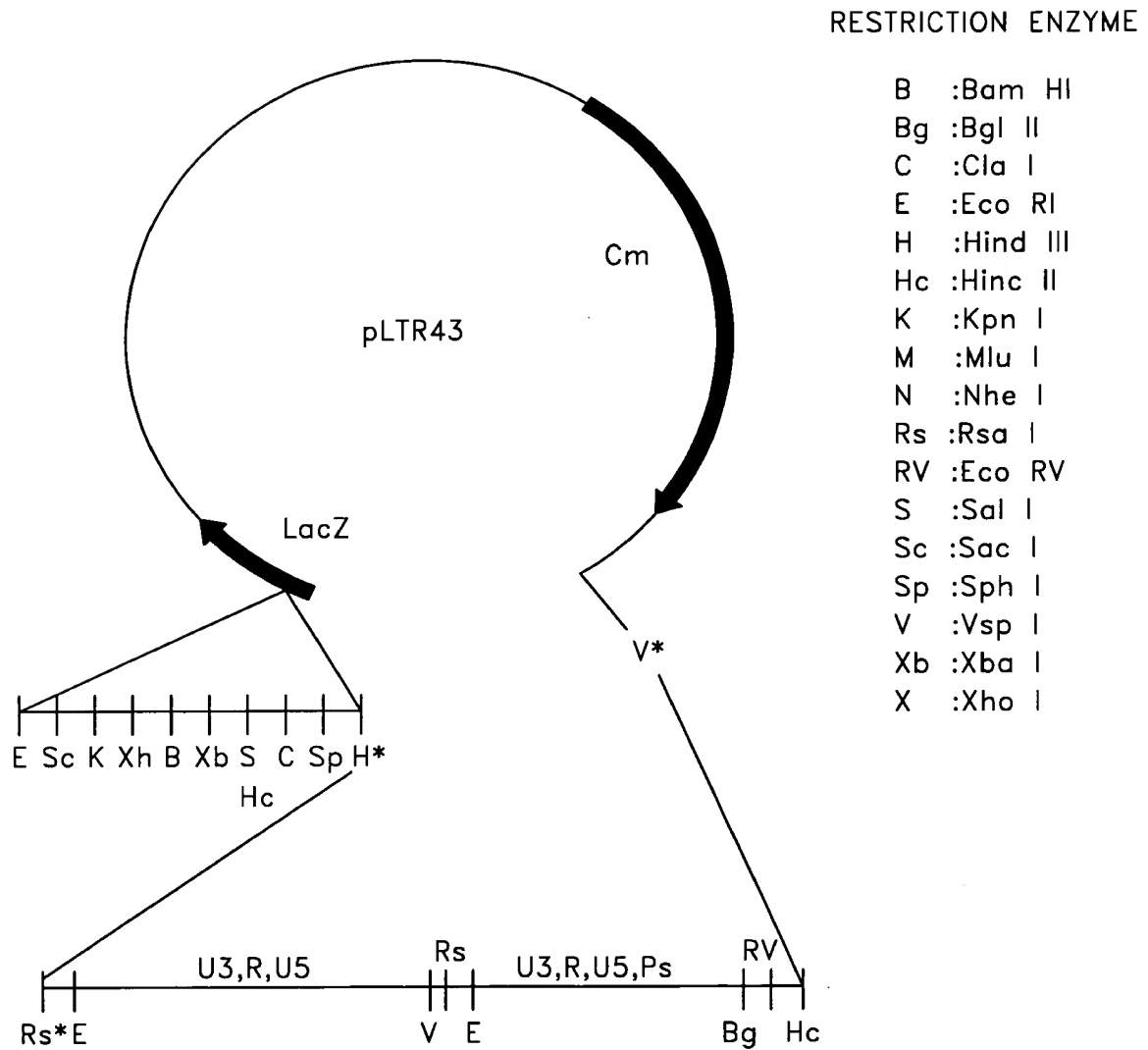


FIG. 4

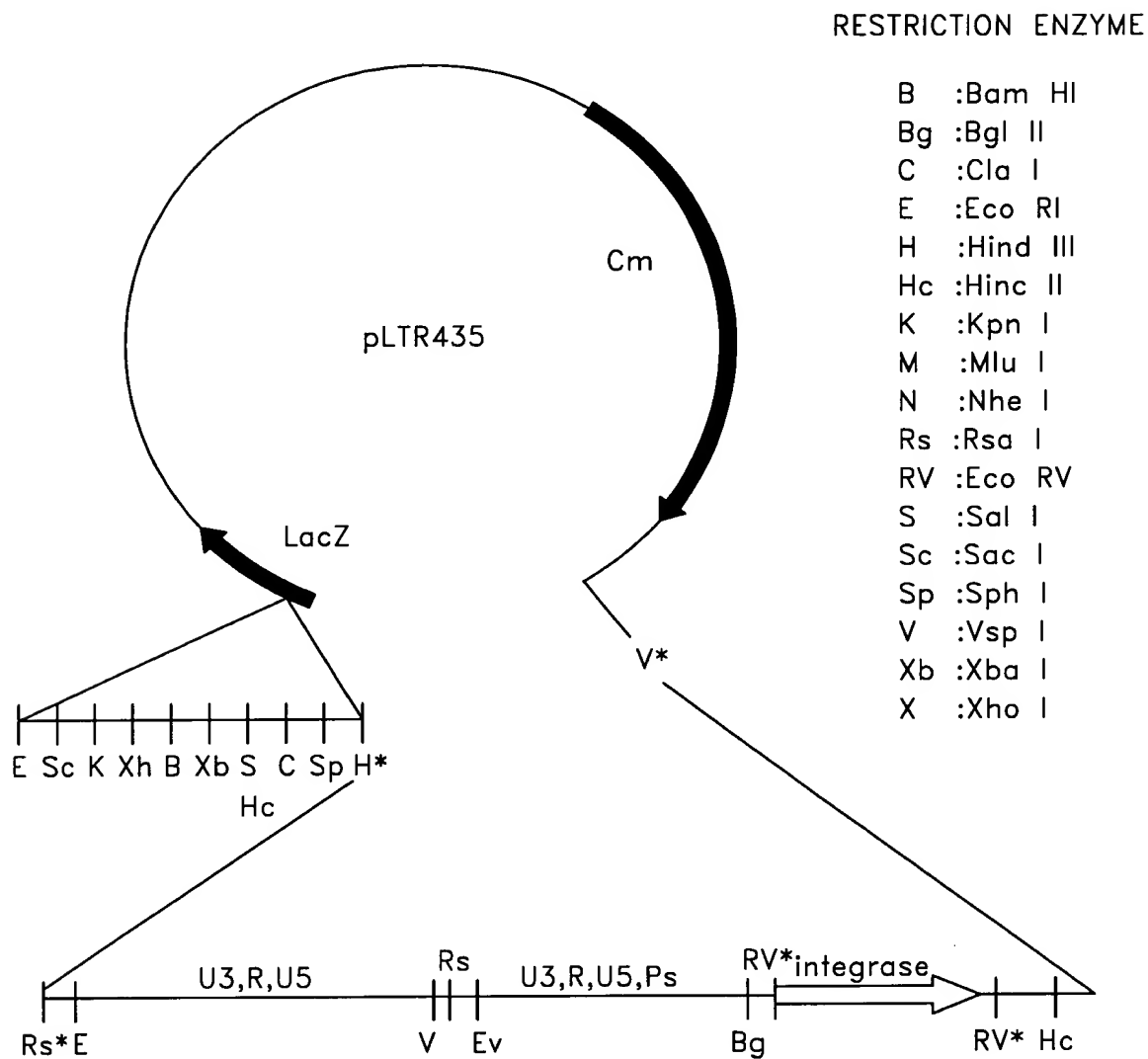


FIG.5



6/25

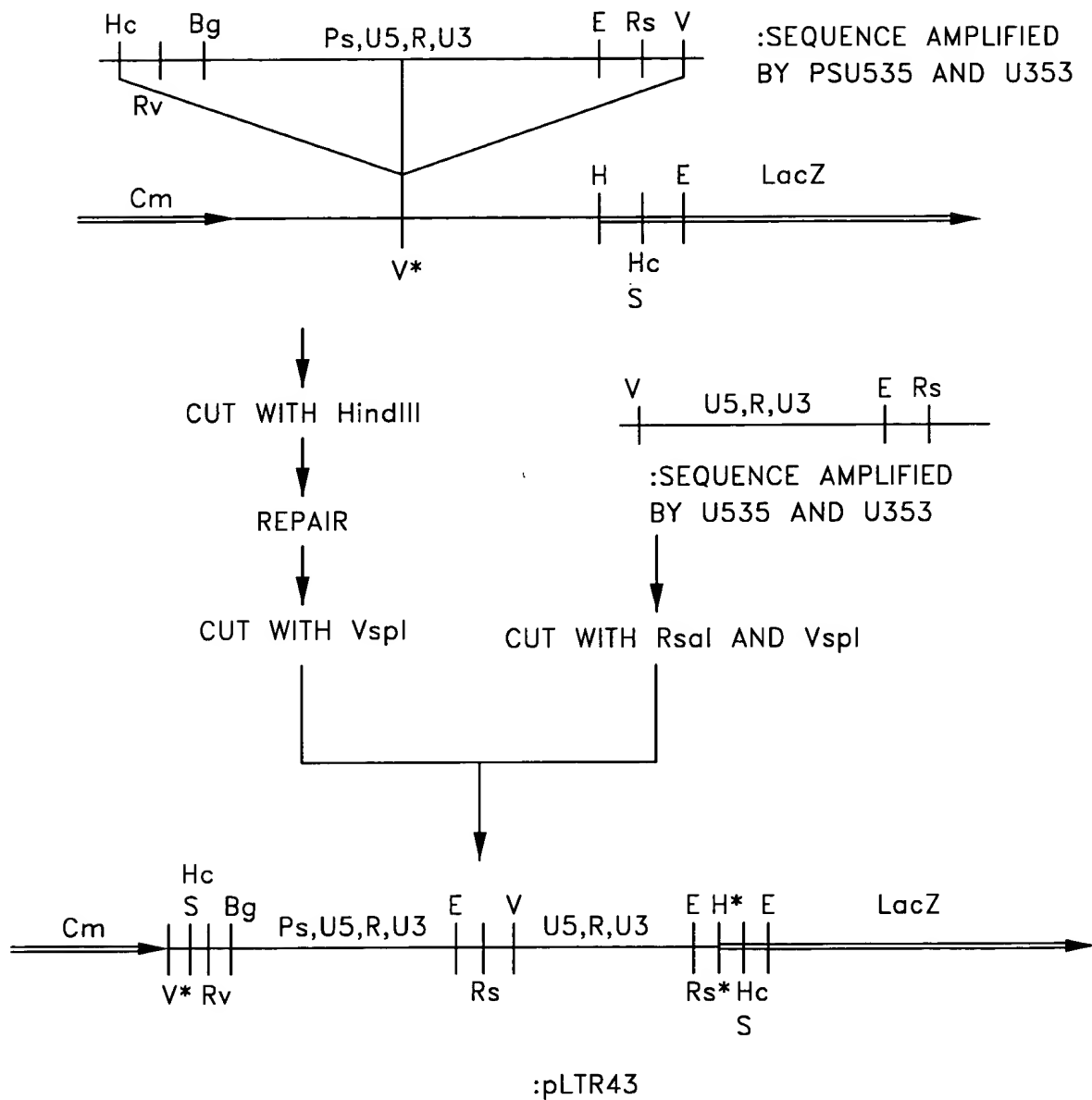


FIG. 6

RESTRICTION ENZYME

Bg :Bgl II
 E :Eco RI
 Rv :EcoRV
 Hc :HincII
 Rs :Rsa I
 S :Sal I
 V :Vsp I



7/25

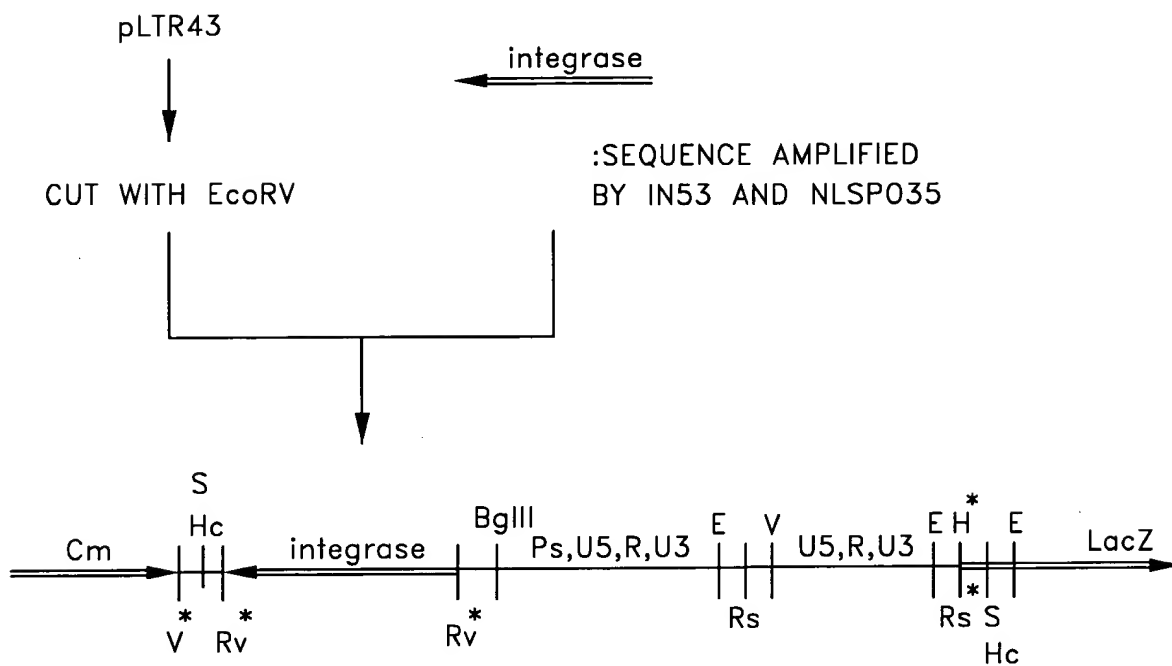
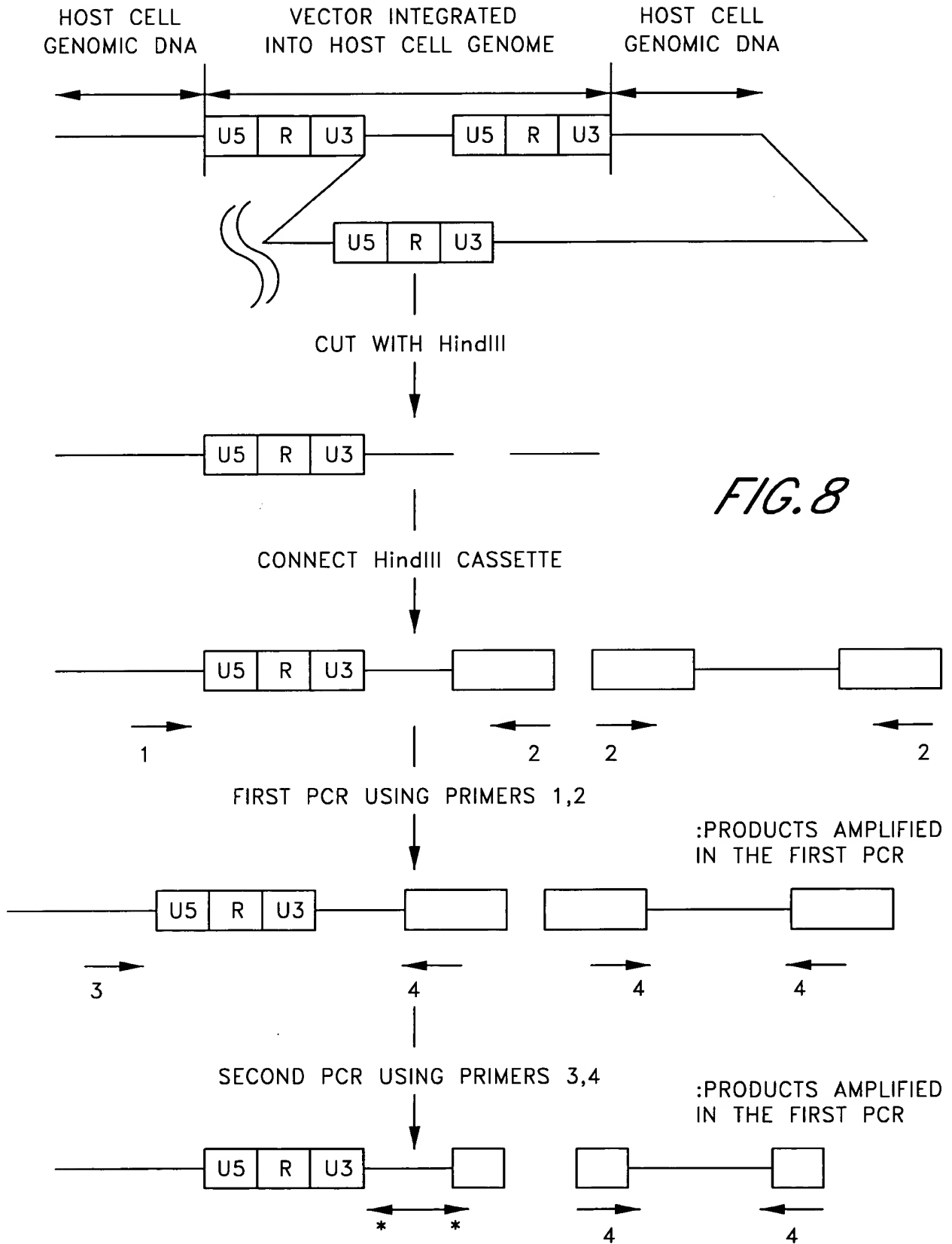


FIG. 7

RESTRICTION ENZYME

Bg :BglII
 E :EcoRI
 Rv :EcoRV
 Hc :HincII
 H :HindIII
 Rs :RsaI
 S :Sall
 V :VspI



9/25

INTRODUCED INTRODUCED
pLTR435 pLTR43

M 1 2 1 2

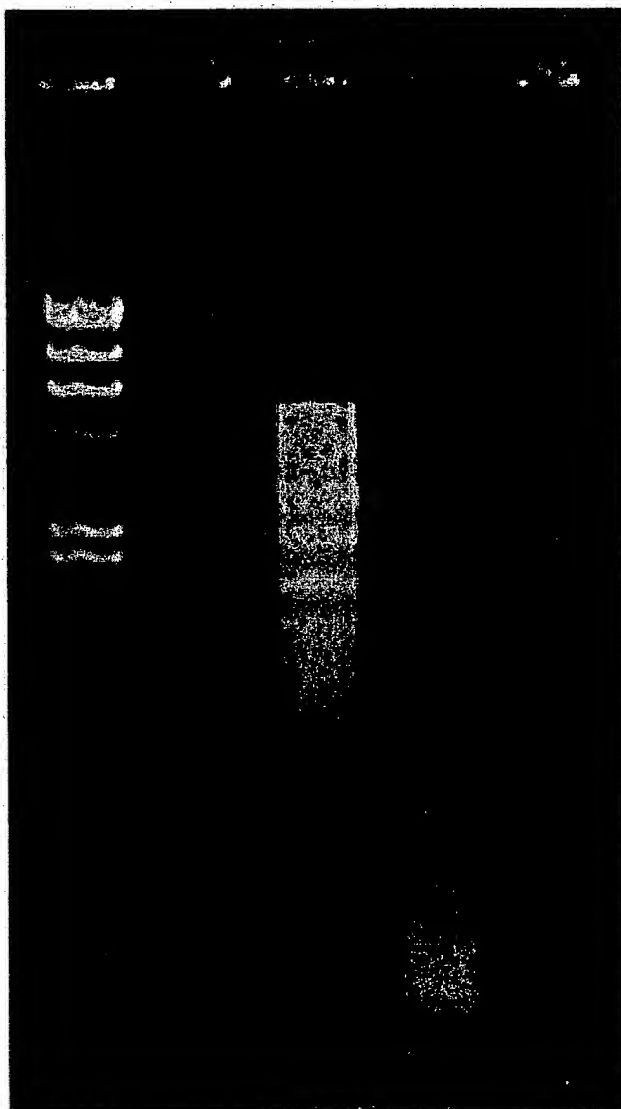


FIG. 9

10/25

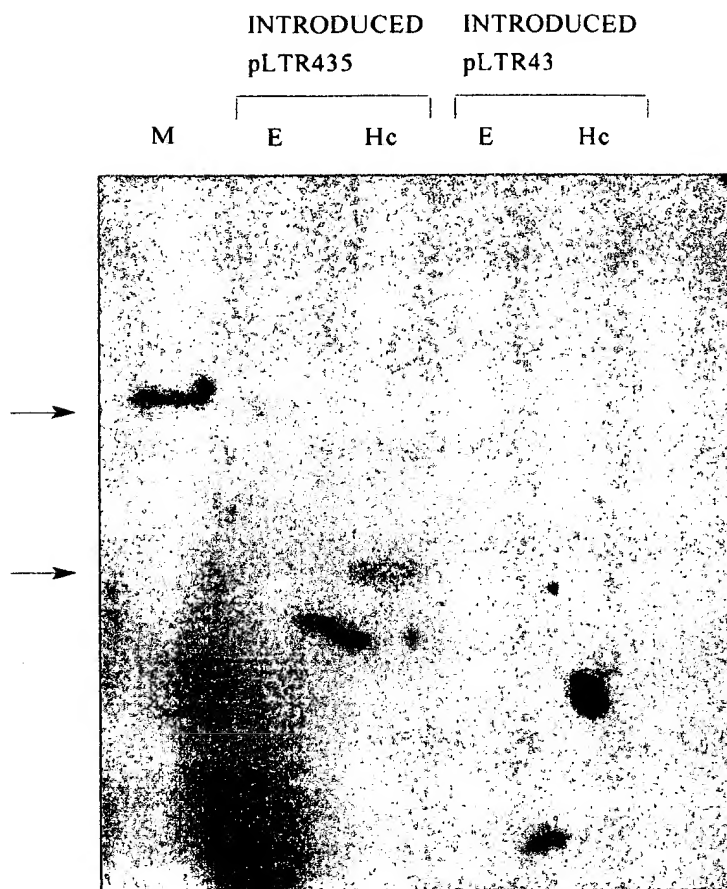


FIG. 10

NOVEL PLASMID VECTOR

Katsumata, Atsushi et al.

Appl. No.:09/762,568 Atty. Docket:HIKARI.001APC

11/25

M N E S

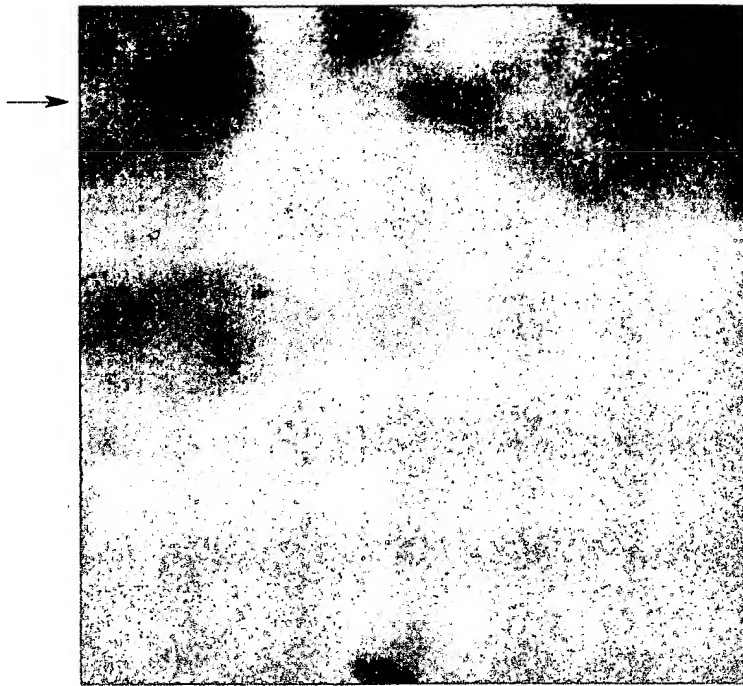


FIG. 11

12/25

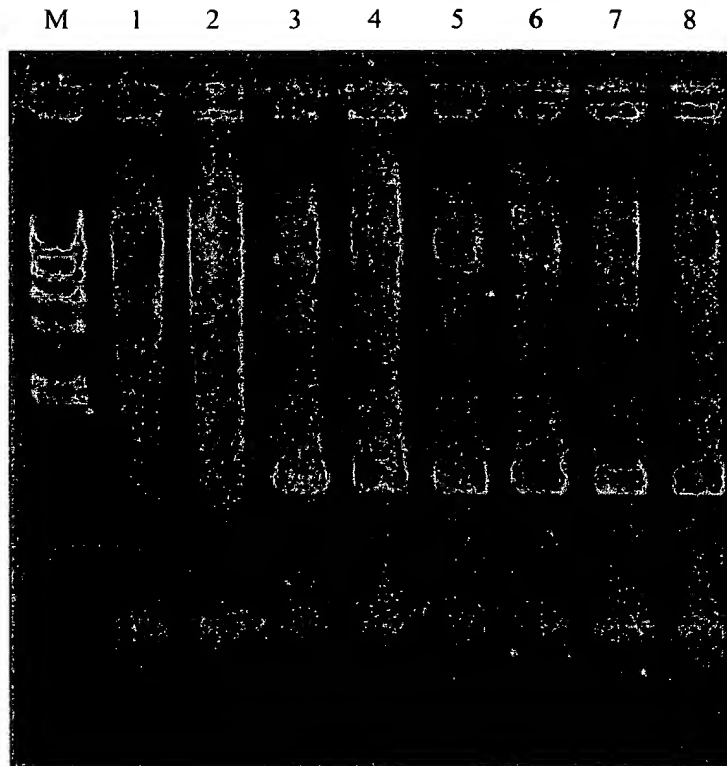


FIG. 12



13/25

HindIII Cassette	1	TCGTTAGAACGCGTAATACGACTCACTATAGGGGA	36
clone 1	1	TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTGAGGAAATGCAGGGACTGTG	60
clone 2	1	TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTTTATGTGTCCGATGTTTGCA	60
clone 3	1	TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTAACCAACACACATCAACCCA	60
clone 4	1	TCGTTAGAACGCGTAATACGACTCACTATAGGGGAAGCTTTCACACTTTTAAATTGAGAGC	60

HindIII Cassette	36		120
clone 1	61	CATTGACTTGCCAGGAGGCTGAGGGCAAGGTTTCCGTTGCCTGCACCAGCTGGGATGCC	120
clone 2	61	CTTGAGGATAGACGTGTGGATCTAGAGAGTAATGGCTGTTTTCTCCTCTCTGATGTTT	120
clone 3	61	TCNTTTTTTTAGTCAGTCACACGTTTTGAACCTTTTCATGAAGCTTTTCAAGAAGCTTTC	120
clone 4	61	CTTCTGGTTTATGTAGAAGAAATCCAGACATCCTTTTGGTTTAGAATGCACCTTCTAGCCCT	120

HindIII Cassette			
clone 1	121	CTGTGCTCCTGGGATGTGTGAT	142
clone 2	121	GCAGGTGATAACATGTACAGCT	142
clone 3	121	CTG	123
clone 4	121	CAGGGCAGCAGATTAAAT	138

FIG. 13

14/25

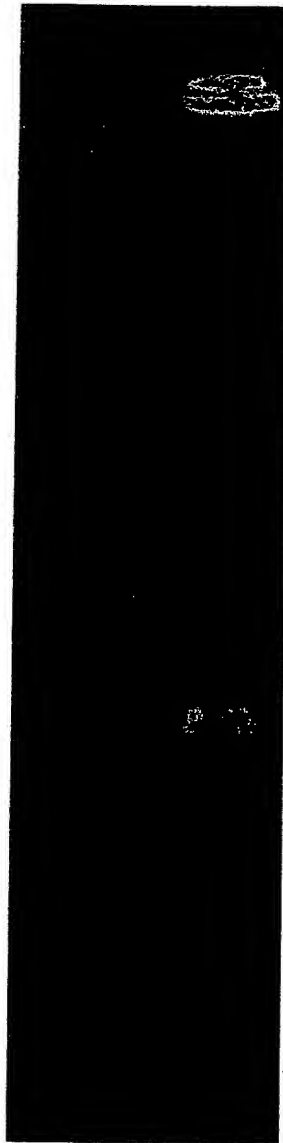


FIG. 14



15/25

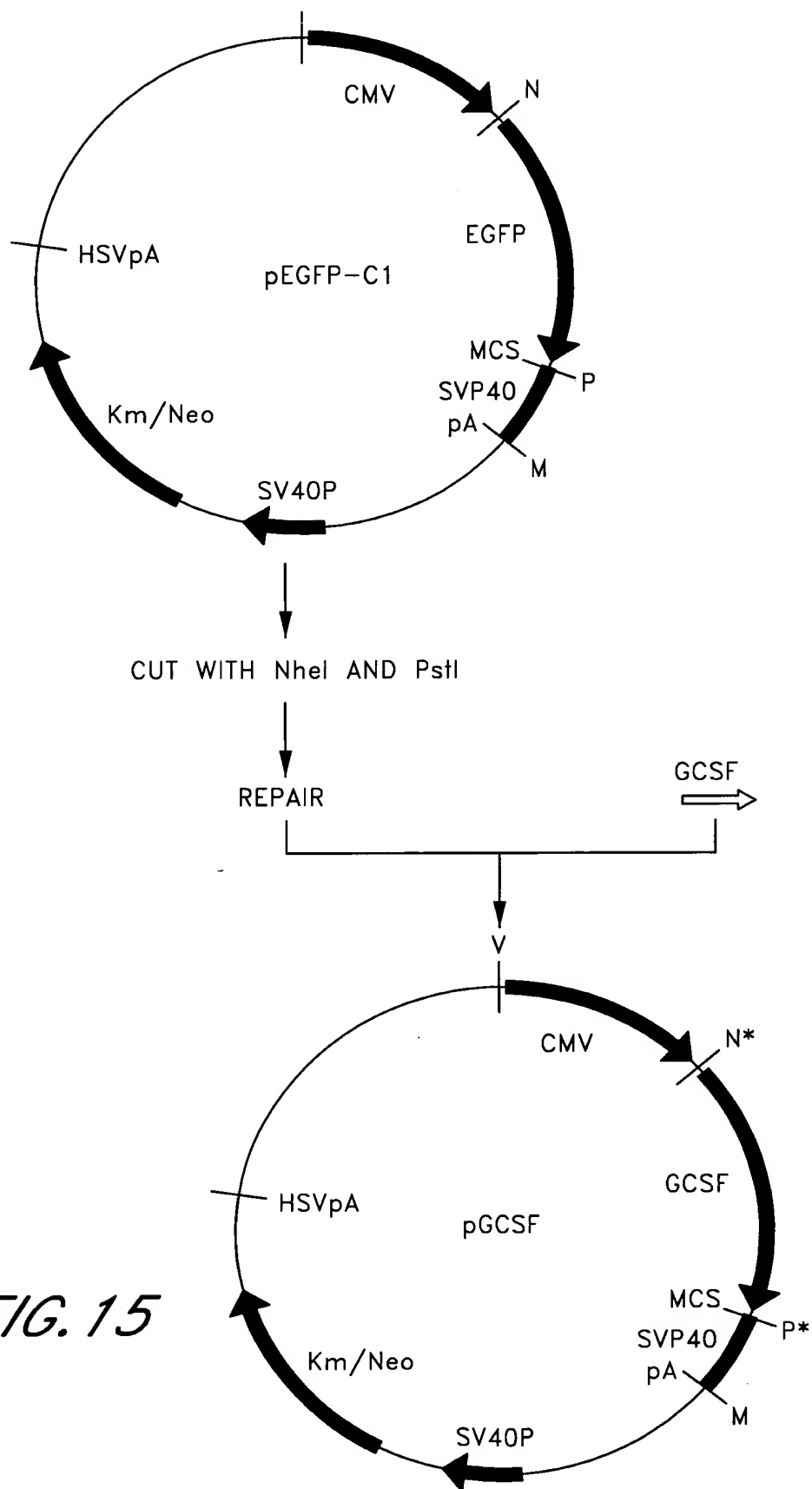
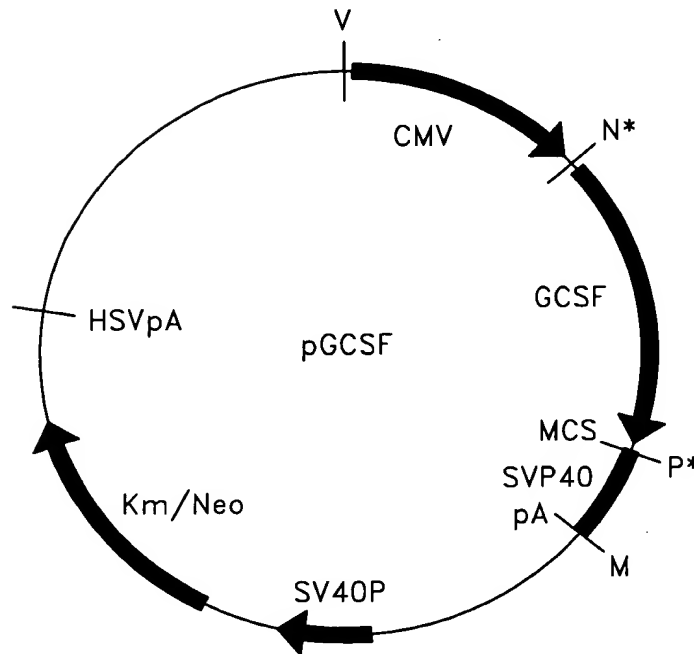


FIG. 15



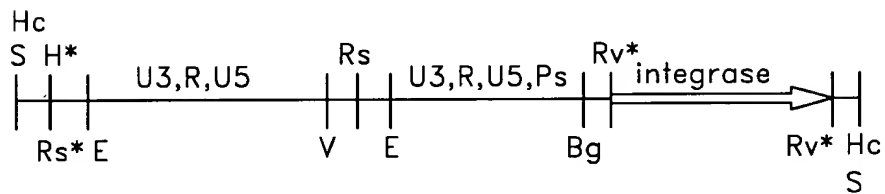
16/25



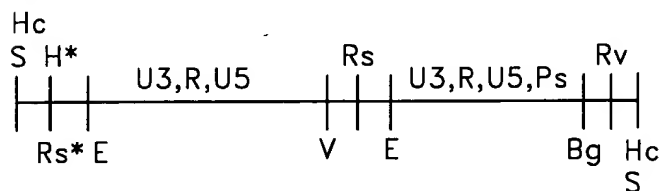
RESTRICTION ENZYME

B :Bam HI
 Bg :Bgl II
 C :Cla I
 E :Eco RI
 H :Hind III
 Hc :Hinc II
 K Kpn I
 M Mlu I
 N Nhe I
 Rs :Rsa I
 RV :Eco RV
 S :Sal I
 Sc :Sac I
 Sp :Sph I
 V :Vsp I
 Xb :Xba I
 X :Xho I

CUT WITH MluI



OR



ARE CONNECTED

FIG. 16



17/25

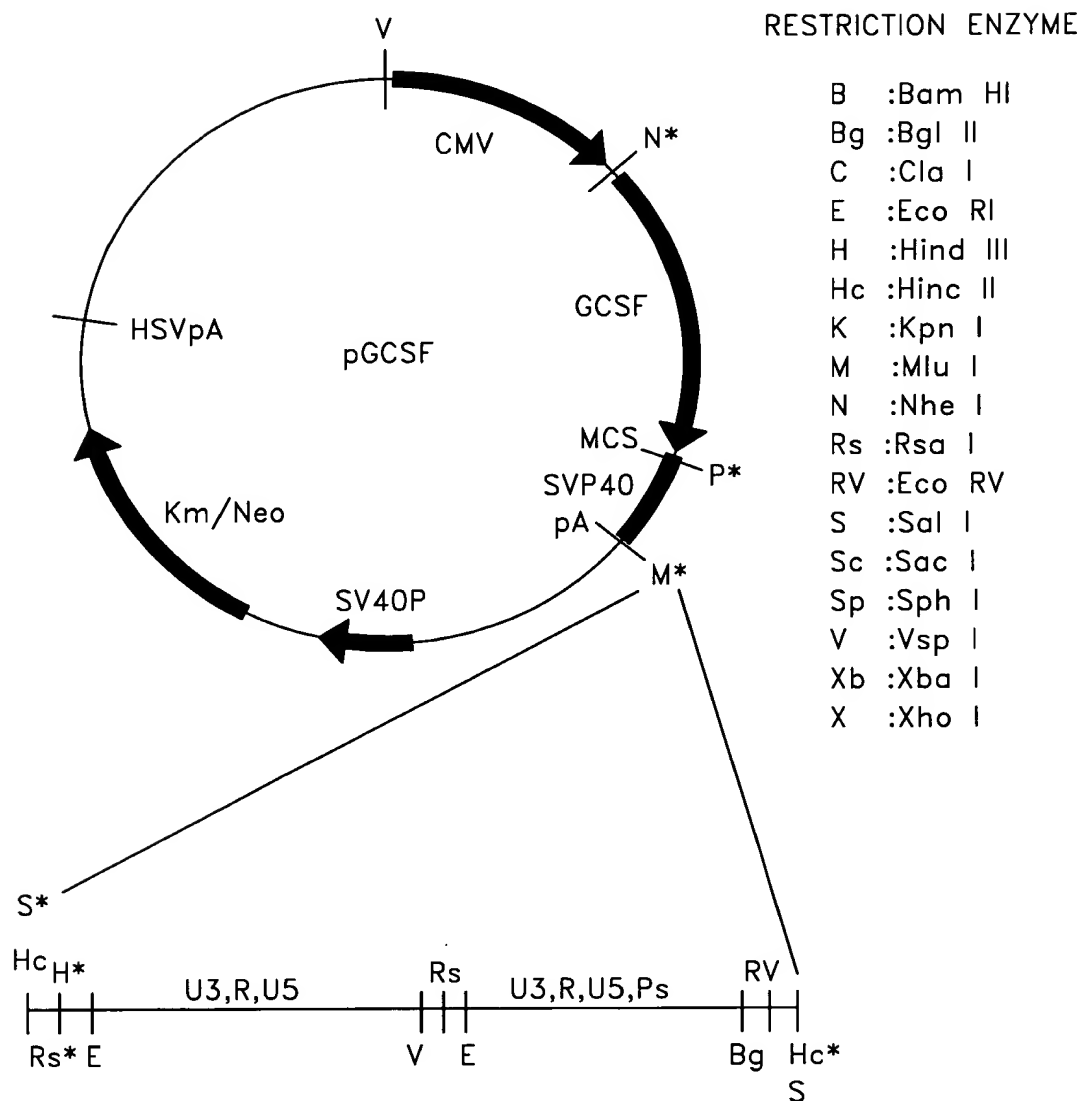


FIG. 17

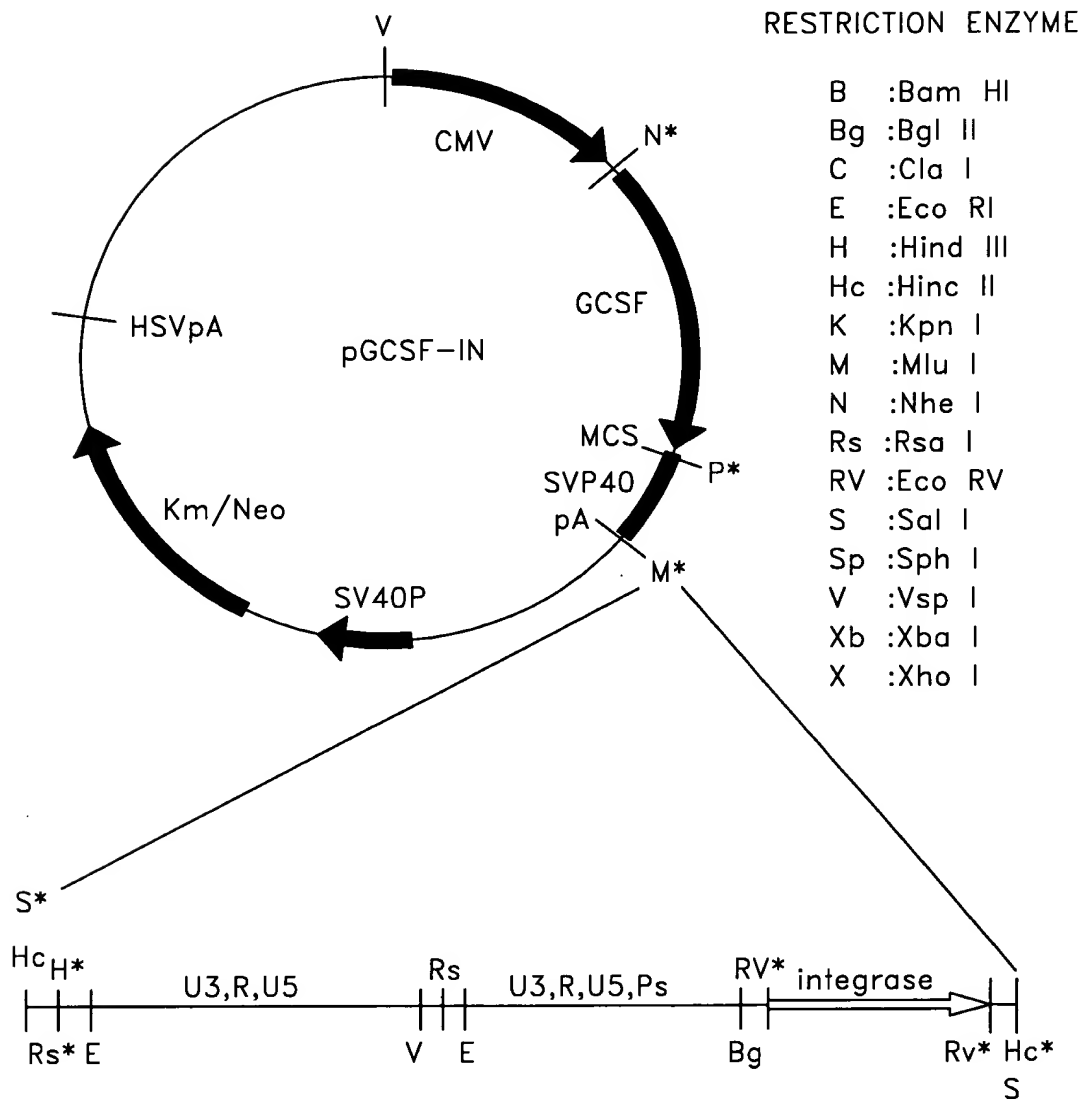


FIG. 18



19/25

RESTRICTION ENZYME

B : Bam HI
 Bg : Bgl II
 C : Cla I
 E : Eco RI
 H : Hind III
 Hc : Hinc II
 K : Kpn I
 M : Mlu I
 N : Nhe I
 Rs : Rsa I
 RV : Eco RV
 S : Sal I
 Sc : Sac I
 Sp : Sph I
 V : Vsp I
 Xb : Xba I
 X : Xho I

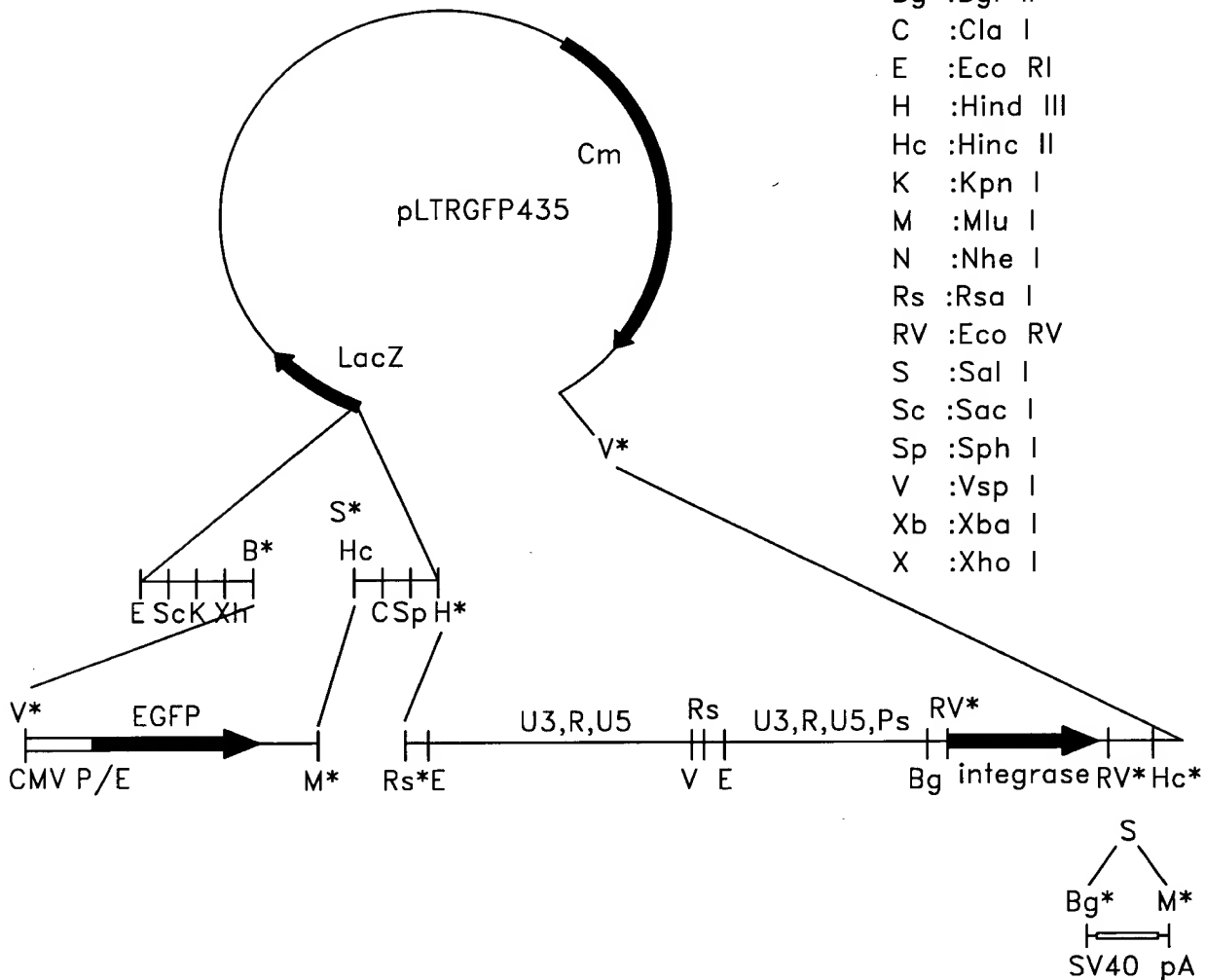


FIG. 19



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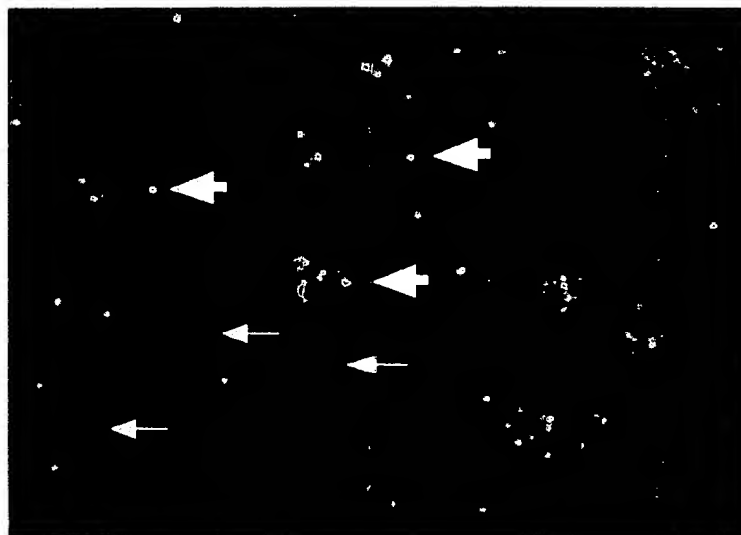
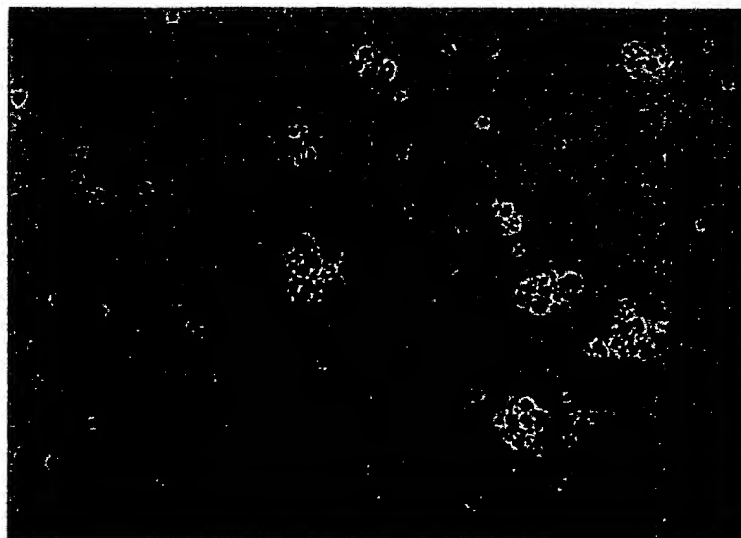
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NOVEL PLASMID VECTOR

Katsumata, Atsushi et al.

Appl. No.: 09/762,568 Atty. Docket: HIKARI.001APC

20/25





(NOTE)  "BOLD ARROW" INDICATES TYPICAL GFP POSITIVE CELLS
 "NORMAL ARROW" INDICATES TYPICAL GFP NEGATIVE CELLS

FIG. 20

21/25

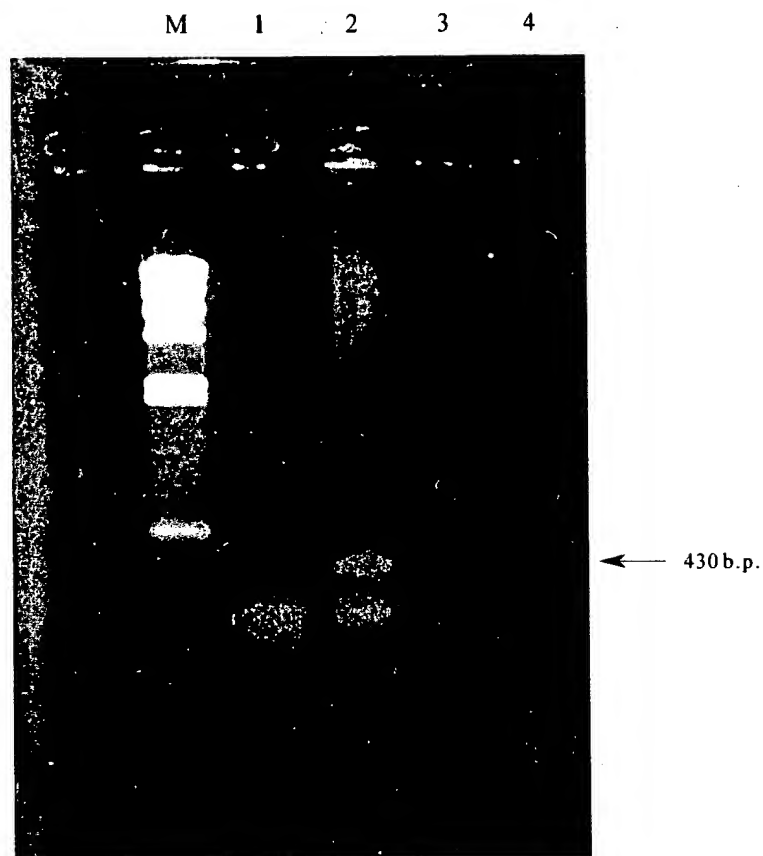


FIG.21

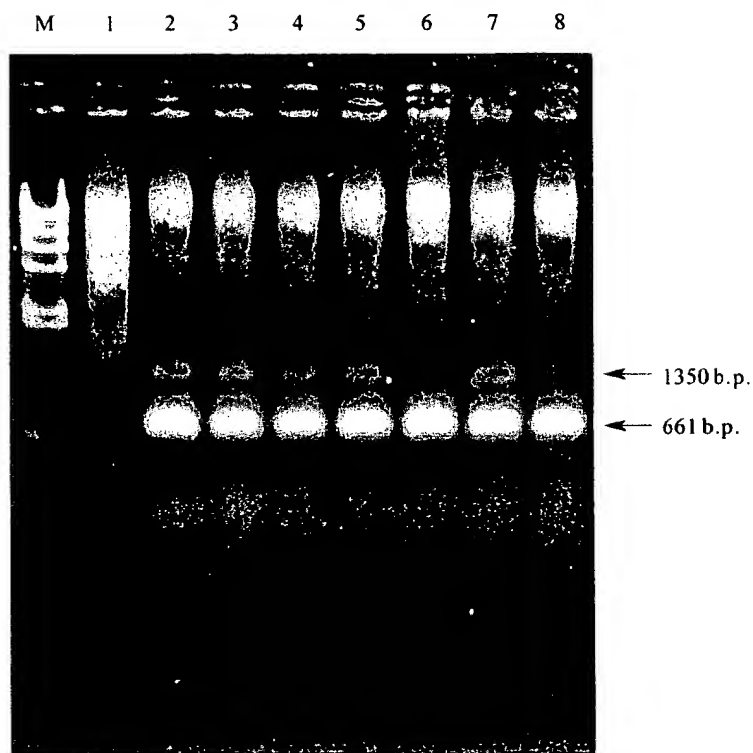


FIG.22



23/25

RESTRICTION ENZYME

A :APa LI
 B :Bam HI
 Bg :Bgl II
 C :Cla I
 E :Eco RI
 H :Hind III
 Hc :Hinc II
 K :Kpn I
 M :Mlu I
 N :Nhe I
 P :Pst I
 Rs :Rsa I
 RV :Eco RV
 S :Sal I
 Sc :Sac I
 Sp :Sph I
 V :Vsp I
 Xb :Xba I
 X :Xho I

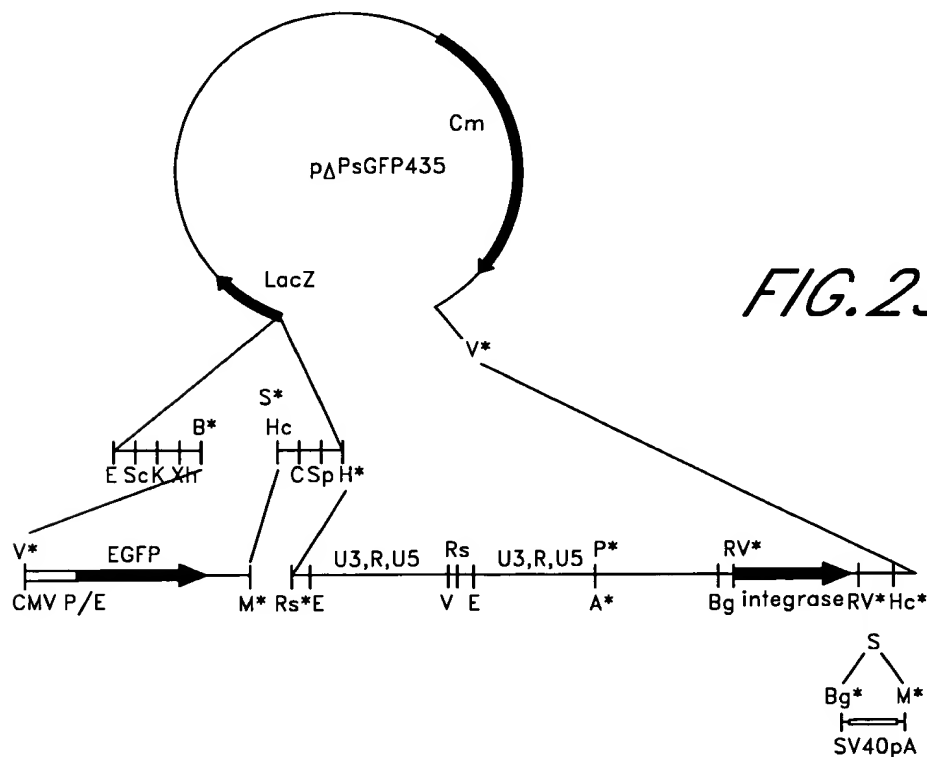
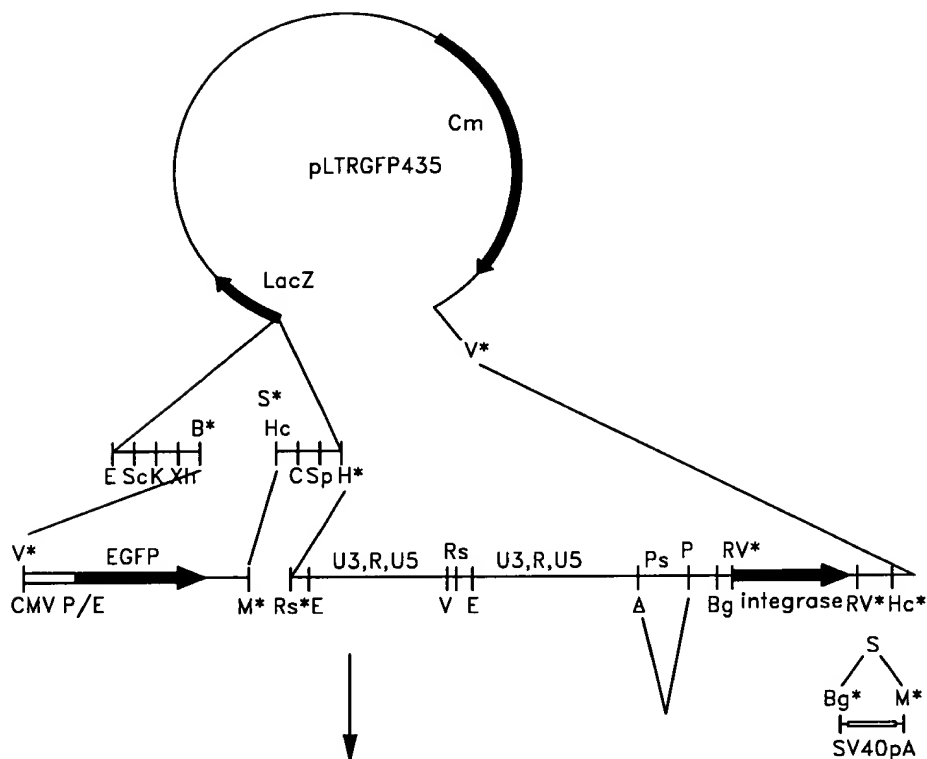


FIG.23



24/25

RESTRICTION ENZYME

B :Bam HI
 Bg :Bgl II
 C :Cla I
 E :Eco RI
 H :Hind III
 Hc :Hinc II
 K :Kpn I
 M :Mlu I
 N :Nhe I
 Rs :Rsa I
 RV :Eco RV
 S :Sal I
 Sc :Sac I
 Sp :Sph I
 V :Vsp I
 Xb :Xba I
 X :Xho I

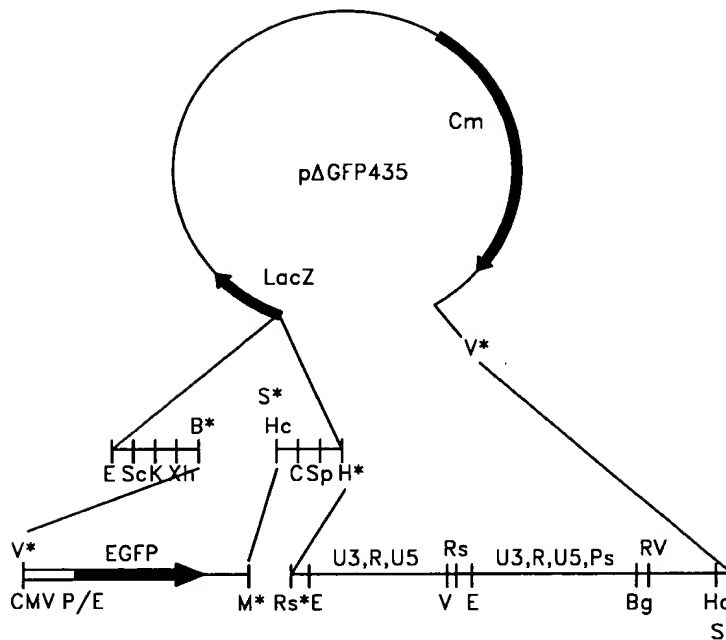


FIG.24

NOVEL PLASMID VECTOR

Katsumata, Atsushi et al.

Appl. No.:09/762,568 Atty. Docket:HIKARI.001APC

25/25

M 1 2 3

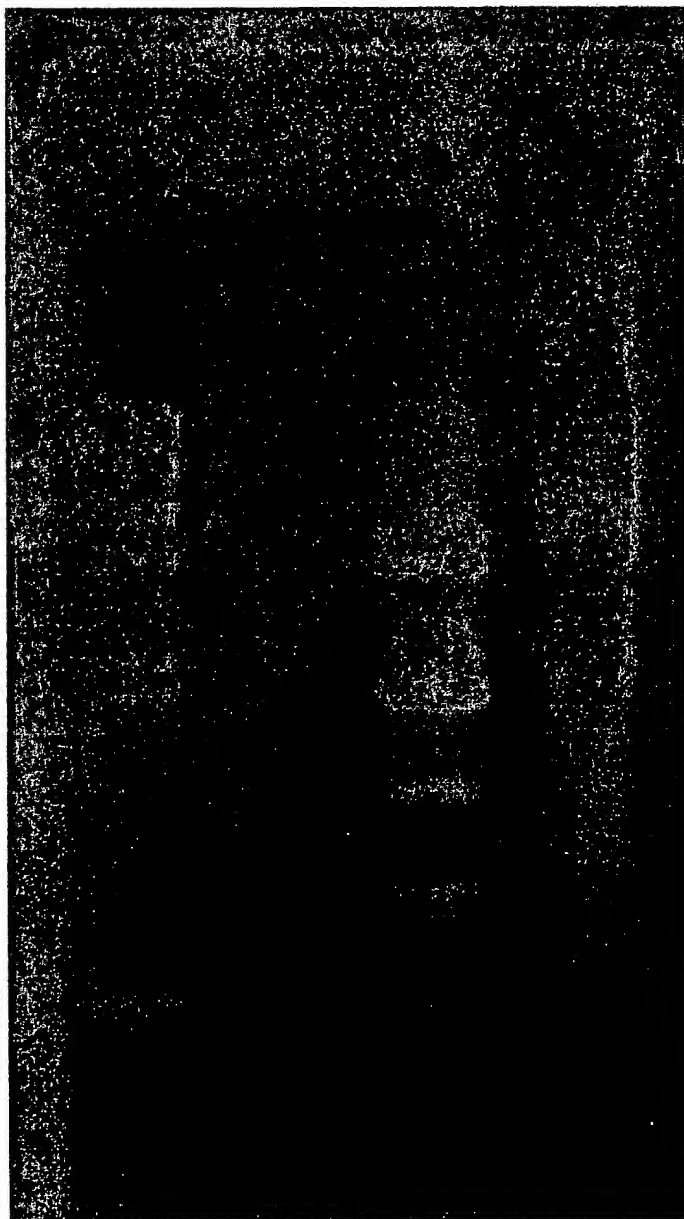


FIG. 25

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NOVEL PLASMID VECTOR

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Appl. No.:09/762,568 Atty. Docket:HIKARI.001APC

25/25

M 1 2 3

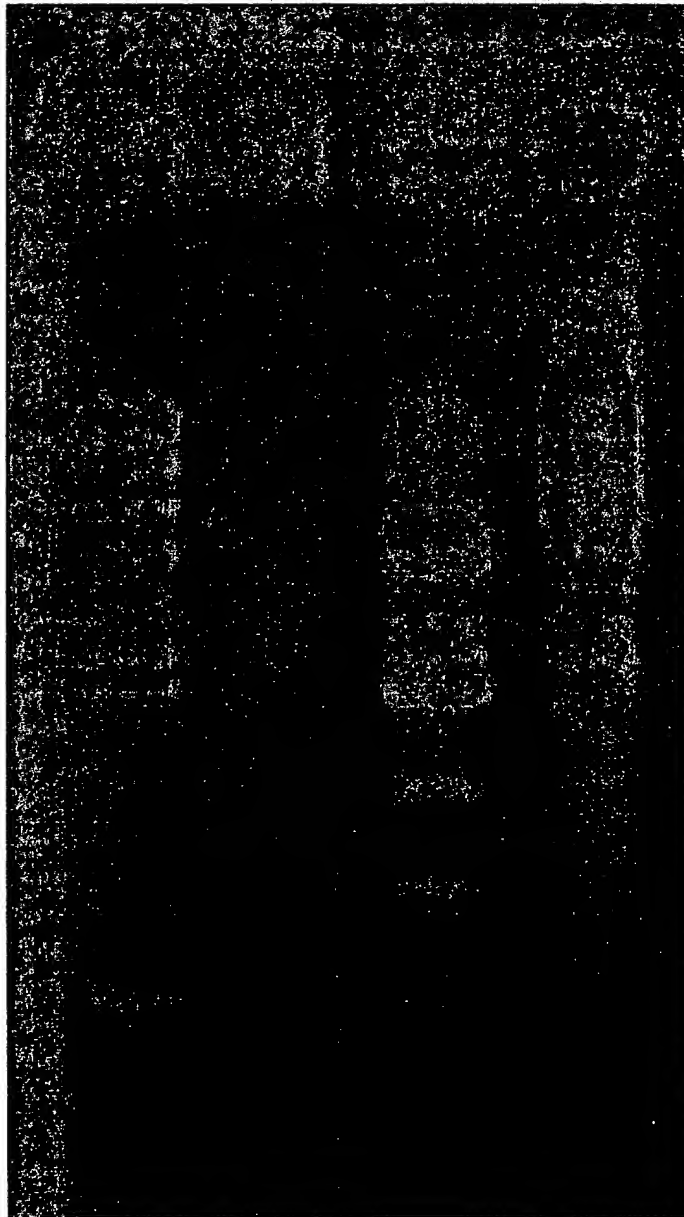


FIG. 25

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